

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. – 24. (Canceled)

25. (Currently Amended) A computer readable medium having a data structure for managing a data area of the computer readable medium, comprising:

a first management area storing a data block, the first management area being a temporary defect management area, the data block having first information including recordation status indicating recorded areas and non-recorded areas of the data area, ~~and~~ the data block having second information including a first pointer pointing to an address where the first information is recorded, the data block including a plurality of sectors, ~~and~~ the second information ~~is being~~ recorded in a last sector of the data block; and

a second management area storing a latest data block recorded in the first management area when no further recording can be made on the computer readable medium, the second management area being a defect management area.

26. (Previously Presented) The computer readable medium of claim 25, wherein the first information indicates recordation status of the data area on a recording unit by recording unit basis.

27. (Previously Presented) The computer readable medium of claim 26, wherein the data block includes at least one recording unit.

28. (Previously Presented) The computer readable medium of claim 25, wherein the second information includes a second pointer pointing to an address where a defect list is recorded.

29. (Previously Presented) The computer readable medium of claim 25, wherein the address is a first physical sector number of a location where the first information is recorded.

30. (Previously Presented) The computer readable medium of claim 28, wherein the first and second pointers identify most current versions of the first information and the defect list, respectively, as of when the second information is recorded.

31. (Currently Amended) A method of recording management data on a recording medium, comprising:

recording a data block in a first management area, the first management area being a temporary defect management area, the data block having first information including recordation status indicating recorded areas and non-recorded areas of a data area, ~~and the data~~ block having second information including a first pointer pointing to an address where the first information is recorded, the data block including a plurality of sectors, ~~and the second information is being~~ recorded in a last sector of the data block; and

recording a latest data block recorded in the first management area in a second management area when no further recording can be made on the recording medium, the second management area being a defect management area.

32. (Previously Presented) The method of claim 31, wherein the second information includes a second pointer pointing to an address where a defect list is recorded.

33. (Previously Presented) The method of claim 32, wherein the first and second pointers identify most current versions of the first information and the defect list, respectively, as of when the second information is recorded.

34. (Currently Amended) A method of reproducing data from a recording medium, comprising:

reproducing at least a portion of data recorded on the recording medium based on a data block recorded in a first management area of the recording medium when further recording can be made on the recording medium, the first management area being a temporary defect

management area, the data block including first information including recordation status indicating recorded areas and non-recorded areas of a data area, ~~and the data block including~~ second information including a first pointer pointing to an address where the first information is recorded, the data block including a plurality of sectors, ~~and the second information is being~~ recorded in a last sector of the data block; and

reproducing at least a portion of data recorded on the recording medium based on a data block recorded in a second management area of the recording medium when no further recording can be made on the recording medium, the second management area being a defect management area,

wherein the data block recorded in the second management area is based on a latest data block recorded in the first management area.

35. (Previously Presented) The method of claim 34, wherein the second information includes a second pointer pointing to an address where a defect list is recorded.

36. (Previously Presented) The method of claim 35, wherein the first and second pointers identify most current versions of the first information and the defect list, respectively, as of when the second information is recorded.

37. (Previously Presented) The recording medium of claim 25, wherein the management area includes space to record a subsequent data block having the first information different from the first information in the data block.

38. (Previously Presented) The recording medium of claim 37, wherein the first information in the subsequent data block reflects changes in the recordation status since the data block was recorded.

39. (Previously Presented) The method of claim 31, further comprising:
recording a subsequent data block in the management area, the subsequent data block having the first information different from the first information in the data block.

40. (Previously Presented) The method of claim 39, wherein the first information in the subsequent data block reflects changes in the recordation status since the data block was recorded.

41. (Previously Presented) The method of claim 34, wherein the management area includes more than one of the data blocks and the reproducing step reproduces based on a most recently recorded one of the data blocks.

42. (Previously Presented) The method of claim 41, wherein the most recently recorded one of the data blocks includes a most current version of the first and second information.

43. (Previously Presented) The method of claim 25, wherein only the last sector includes the second information.

44. (Previously Presented) The method of claim 31, wherein only the last sector includes the second information.

45. (Previously Presented) The method of claim 34, wherein only the last sector includes the second information.

46. (Currently Amended) An apparatus of recording management data on a recording medium, comprising:

a controller configured to control ~~to record~~recording of a data block in a first management area, the first management area being a temporary defect management area, the data block having first information including recordation status indicating recorded areas and non-recorded areas of the data area, and the data block having second information including a first pointer pointing to an address when the first information is recorded, ~~and the controller being configured to record~~control recording of a latest data block recorded in the first management area in a second management area when no further recording can be made on the recording medium, the second management area being a defect management area,

wherein the data block includes a plurality of sectors and the second information is recorded in the last sector of the data block.

47. (Currently Amended) The apparatus of claim 46, further comprising:
a drive configured to write the data block including the first information and the second information in ~~a~~the first management area and to write the latest data block in the second management area according to the control of the controller.